



**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

|                                                     |                                                                                                                     |                                                                    |                             |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------|
| <b>MINE NAME:</b><br>Koskie Pit                     | <b>MINE/PROSPECTING ID#:</b><br>M-2014-024                                                                          | <b>MINERAL:</b><br>Sand and gravel                                 | <b>COUNTY:</b><br>Weld      |
| <b>INSPECTION TYPE:</b><br>Monitoring               | <b>INSPECTOR(S):</b><br>Peter Hays                                                                                  | <b>INSP. DATE:</b><br>January 23, 2020                             | <b>INSP. TIME:</b><br>10:30 |
| <b>OPERATOR:</b><br>Weld County Public Works        | <b>OPERATOR REPRESENTATIVE:</b><br>Clay Kimmi                                                                       | <b>TYPE OF OPERATION:</b><br>112c - Construction Regular Operation |                             |
| <b>REASON FOR INSPECTION:</b><br>Normal I&E Program | <b>BOND CALCULATION TYPE:</b><br>None                                                                               | <b>BOND AMOUNT:</b><br>\$0.00                                      |                             |
| <b>DATE OF COMPLAINT:</b><br>NA                     | <b>POST INSP. CONTACTS:</b><br>None                                                                                 | <b>JOINT INSP. AGENCY:</b><br>None                                 |                             |
| <b>WEATHER:</b><br>Clear                            | <b>INSPECTOR'S SIGNATURE:</b><br> | <b>SIGNATURE DATE:</b><br>January 29, 2020                         |                             |

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

|                                            |                                          |                                 |
|--------------------------------------------|------------------------------------------|---------------------------------|
| (AR) RECORDS----- <u>Y</u>                 | (FN) FINANCIAL WARRANTY----- <u>NA</u>   | (RD) ROADS----- <u>Y</u>        |
| (HB) HYDROLOGIC BALANCE----- <u>Y</u>      | (BG) BACKFILL & GRADING----- <u>Y</u>    | (EX) EXPLOSIVES----- <u>N</u>   |
| (PW) PROCESSING WASTE/TAILING---- <u>N</u> | (SF) PROCESSING FACILITIES----- <u>Y</u> | (TS) TOPSOIL----- <u>Y</u>      |
| (MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>   | (FW) FISH & WILDLIFE----- <u>N</u>       | (RV) REVEGETATION---- <u>N</u>  |
| (SM) SIGNS AND MARKERS----- <u>Y</u>       | (SP) STORM WATER MGT PLAN---- <u>N</u>   | (RS) RECL PLAN/COMP-- <u>N</u>  |
| (ES) OVERBURDEN/DEV. WASTE----- <u>N</u>   | (SC) EROSION/SEDIMENTATION--- <u>N</u>   | (ST) STIPULATIONS----- <u>N</u> |
| (AT) ACID OR TOXIC MATERIALS----- <u>N</u> | (OD) OFF-SITE DAMAGE----- <u>N</u>       |                                 |

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## OBSERVATIONS

The Koskie Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. The site was previously inspected by the Division on June 30, 2016. Mr. Clay Kimmi, Mr. Jeff York, Mr. Kevin Hettinger and Ms. Tina Booton with Weld County Public Works were present during the inspection. An inspection map based on the observations from this inspection and the latest available Google Earth image is attached for reference.

The site is located approximately 2.5 miles south and 2.5 miles east of the Town of Carr, CO. The site is an 112c operation permitted for 40.5 acres with 35.99 acres of mining disturbance. The gravel resource is a stream channel deposit associated with Lone Tree Creek, which is an ephemeral stream located approximately 0.5 miles east of the site. The estimated thickness of the gravel varies from 0 to 15 feet in depth. The mining excavation will remain two (2) feet above the anticipated groundwater elevation and no groundwater will be exposed by the operation. The permit was issued by the Division on August 7, 2014. The site began operations in 2015.

The site was actively removing stockpiled roadbase material from the pit floor. The haul trucks were being loaded by a front-end loader during the inspection. The existing highwalls were estimated at 10 to 15 feet in height at a near vertical slope. The site is being mined from east to west, with the current excavation area located in the southwest corner of the site. The northwest corner of the site is stripped of topsoil and overburden and will be the last portion of the site to be mined. A processing plant was not located at the site. Stockpiles of roadbase were observed on the eastern portion of the pit floor. A stockpile of imported clay material was located in the southwest corner of the pit floor. The clay material is mixed with the mined gravel to create the roadbase material. The 2019 annual report and map accurately depicted the site. The site was well organized and being operated in accordance with the approved Mining Plan. The mine sign and permit boundary markers were observed as required by Rule 3.1.12.

The approved post-mining land use for the site is cropland. The slopes will be reclaimed at a 4H:1V slope with 6" to 12" of topsoil replaced during reclamation. The reclaimed slopes will daylight to the east to maintain the current positive drainage direction. Topsoil stockpiles are located along the north and south permit boundaries. An overburden stockpile is located along the east side of the site. The topsoil and overburden stockpiles were well-vegetated and stable. A small portion of the southeast corner of the pit had been graded to the final 4H:1V slope and portion of the highwall in the northeast corner had been temporarily graded to a 3H:1V slope. The site appeared stable and no erosion features were observed during the inspection. The pit floor was dry and no standing water was observed.

The Operator stated they are negotiating with the landowner to expand the pit by approximately 80 acres to the south of the current site. The Operator was aware of the requirement to submit an amendment application to increase the permit acreage of the site.

If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at [peter.hays@state.co.us](mailto:peter.hays@state.co.us).

## PHOTOGRAPHS



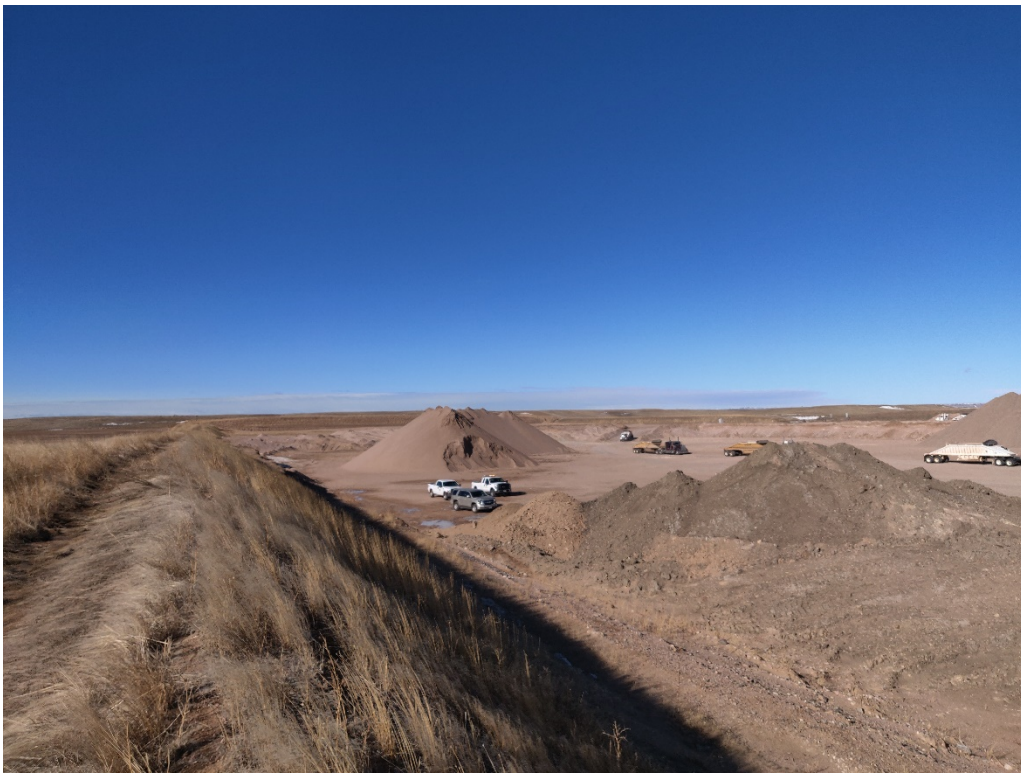
Koskie Pit mine sign



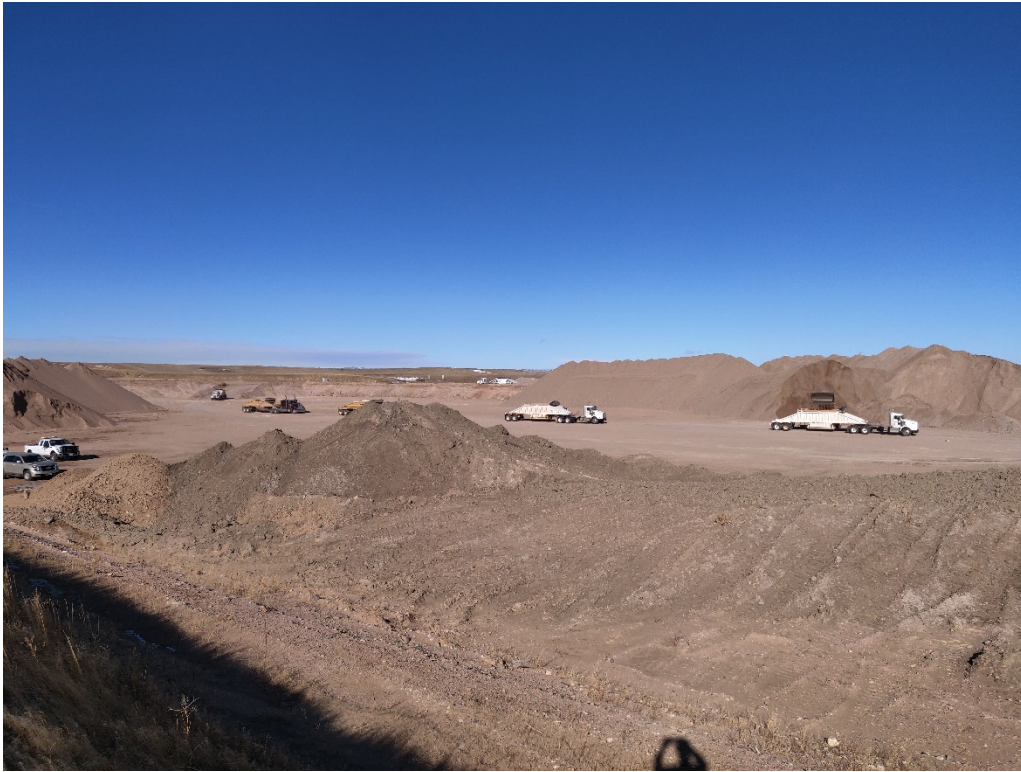
View of the north highwall and pit floor from the northwest highwall looking east



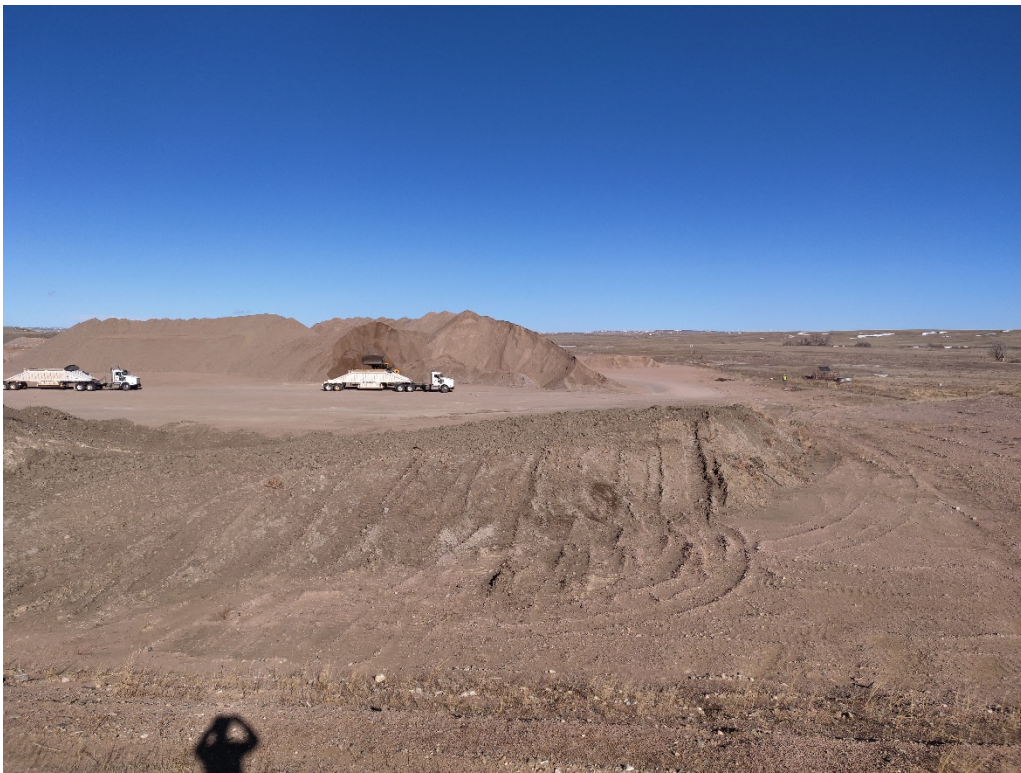
View of the current excavation area located in the southwest corner of the site



View of the site from the southeast corner looking east



View of the site from the southeast corner looking northeast



View of the site from the southeast corner looking north

**Inspection Contact Address**

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P.O. Box 758  
Greeley, CO 80632

Ec: Jared Ebert, DRMS

# Koskie Pit

M-2014-024

January 23, 2020 Inspection Map

## Legend

-  Current Excavation Area
-  Imported Clay Material
-  Koskie Pit Permit Boundary
-  Overburden Stockpile
-  Roadbase Stockpiles
-  Stripped / Unmined Area
-  Topsoil Stockpile
-  Weld County Koskie Pit

